

SPECIFICATION AMENDMENTS

Please rewrite the DESCRIPTION OF THE FIGURES as follows:

DESCRIPTION OF THE FIGURES

Embodiments of the invention are described with reference to the drawing in which:

FIG. 1a illustrates the state of the art;

FIG. 1 is an isometric view of an umbrella with arms (30) wholly above the canopy (10);

FIG. 2 is a wavy embodiment of an umbrella with a shaft (20) and shown

(a) isometrically at an angle from in front and

(b) isometrically at an angle from above

FIG. 3 is a wavy embodiment of the umbrella shown

(a) isometrically at an angle from in front and

(b) isometrically at an angle from above;

FIG. 4 is a differently folded and shaped embodiment of the umbrella

(a) isometrically at an angle from in front and

(b) isometrically an angle from above;

FIG. 5 is a differently folded and shaped embodiment of the umbrella

(a) isometrically at an angle from in front and

(b) isometrically an angle from above;

FIG. 6 is a differently folded and shaped embodiment of the umbrella

- (a) isometrically at an angle from in front and
- (b) isometrically an angle from above;

FIG. 7 is a conical embodiment of the invention

- (a) isometrically at an angle from in front and
- (b) isometrically at an angle from above;

FIG. 8 is a conical embodiment folded along the lower arms of the umbrella

- (a) isometrically at an angle from in front and
- (b) isometrically from above;

FIG. 9 is a wavy embodiment of the umbrella

- (a) with straight canopy edge segments at an angle isometrically from in front,
- (b) with straight canopy edge segments isometrically at an angle from above,
- (c) with a curved canopy edge isometrically at an angle from in front, and
- (d) with a curved canopy edge isometrically at an angle from above;

FIG. 10 is a wavy embodiment of the umbrella without canopy corners,

- (a) with a canopy-edge bow isometrically at an angle from in front, and

- (b) with a canopy-edge bow isometrically at an angle from above;

FIG. 11 is an embodiment of the umbrella showing the canopy

- (a) isometrically at an angle from in front,
- (b) isometrically from above,
- (c) isometrically at an angle from in front and
- (d) isometrically from above;

FIG. 12 is an embodiment of the umbrella where the canopy shape is determined by how it is secured at the umbrella axis;

FIG. 13 is an embodiment of the invention where the canopy is secured at the umbrella axis but not so as to influence its shape;

FIG. 14 is an embodiment of the invention where the canopy is not secured at the axis but spacedly surround it;

FIG. 15 is an embodiment of the umbrella where the canopy is not necessarily cut out at the axis;

FIG. 16 is an embodiment of the umbrella where the canopy is folded in straight lines along sewn-in cables or straps

- (a) isometrically at an angle from in front and
- (b) isometrically from above;

FIG. 17 is an embodiment of the umbrella where the canopy is folded in arcs along sewn-in cables or straps

- (a) isometrically at an angle from in front and
- (b) isometrically from above;

FIG. 18 is an embodiment of the umbrella where the canopy has a free-form shape

- (a) isometrically at an angle from in front and
- (b) isometrically from above;

FIG. 19 is an embodiment of the umbrella showing the shaped canopy edge;

FIG. 20 is an embodiment of the umbrella in isometric view with upper and lower arms attached at different levels at the umbrella axis;

FIG. 21 is an embodiment of the umbrella where most or all of the arms are held up by cables,

- (a) isometrically with a wavy umbrella
- (b) isometrically with a creased conical umbrella;

FIG. 22 is an embodiment of the umbrella where most or all of the arms are held up by spreaders

- (a) isometrically with a wavy umbrella
- (b) isometrically with a creased conical umbrella;

FIG. 23 is an embodiment of the umbrella in isometric view where most or all of the lower arms are held up by the canopy;

FIG. 24 is an embodiment of the umbrella in isometric view where most or all of the arms are pulled down by cables;

FIG. 25 is an embodiment of the umbrella in isometric view where most or all of the arms are held down by spreaders;

FIG. 26 is an embodiment of the umbrella in isometric view where most or all of the arms are pulled down by the canopy;

FIGS. 27 to 34 show preferred embodiments of the opening and closing mechanism;

FIG. 27 is an embodiment of the umbrella opened by moving the arms downward along the axis in isometric view in different positions, namely

- (a), (b), and (c) with all the arms held up by cables,
- (d), (e), and (f) with all the arms held up by diagonal spreaders,
- (g), (h), and (i) with all the arms held up by diagonal spreaders;

FIG. 28 is an embodiment of the umbrella opened by moving the arms downward along the axis in isometric view in different positions, namely

- (a), (b), and (c) with all the upper arms held up by cables, and
- (d), (e), and (f) with all the upper arms held up by diagonal spreaders, ~~, (g), (h), and (i) with all the lower arms held up by diagonal spreaders;~~

FIG. 29 is an embodiment of the umbrella opened by moving the cables or diagonal spreaders upward along the axis in isometric view in different positions, namely

- (a), (b), and (c) with all the arms held up by diagonal spreaders,

(d), (e), and (f) with all the arms held up by
cables,

(g), (h), and (i) with all the arms held up by
diagonal spreaders;

FIG. 30 is an embodiment of the umbrella opened by moving
cables or diagonal spreaders upward along the axis in isometric
view in different positions, namely

(a), (b), and (c) with all the upper arms held up by
cables and all the lower arms held up by
tension in the canopy;

FIG. 31 is an embodiment of the umbrella opened by
shortening all the cables in isometric view in different positions,
namely

(a), (b), and (c) with all the arms held up by
cables;

FIG. 32 is an embodiment of the umbrella opened by
shortening all the cables in isometric view in different positions,
namely

(a), (b), and (c) with all the upper arms held up by
cables;

FIG. 33 is an embodiment of the umbrella showing the
length of the diagonal spreaders and where they engage the upper
and lower arms

(a) isometrically
(b) in section;

FIG. 34 is an embodiment of the umbrella in section with all the arms secured at the canopy axis to a runner sleeve;

FIG. 35 is an embodiment of the umbrella in isometric view where several umbrellas are loosely joined together in a row;

FIG. 36 is an embodiment of the umbrella in isometric view where four umbrellas are loosely joined together in a quadrilateral array;

FIG. 37 shows a preferred embodiment of illumination of the umbrella in isometric view illuminated from below;

FIG. 38 is an embodiment of the umbrella in side view

- (a) with a circular shape,
- (b) with an elliptical shape,
- (c) with a quadrilateral shape,
- (d) with a rhombic shape,
- (e) with a rectangular shape,
- (f) with an eccentric umbrella axis,
- (g) with a semicircular shape;

FIG. 39 is an embodiment of the umbrella in isometric view

- (a) and (b) with bent arms;

FIG. 40 is a selected embodiment of a wavy umbrella in isometric overall view carried on a mast and whose upper arms are held by cables;

FIG. 41 is a selected embodiment of a wavy folded umbrella in isometric overall view carried on a mast and whose upper arms are held by cables with the opening positions shown;

FIG. 42 is an embodiment of the rod of the umbrella in section; and

FIG. 43 is an embodiment of an arm of the umbrella in section.